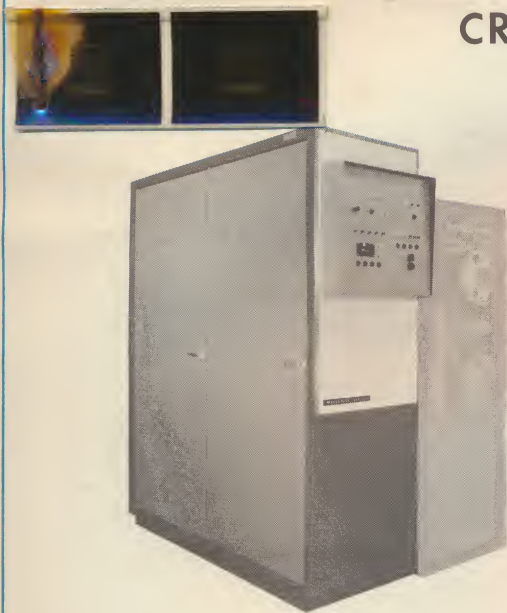


CRT/MICROFILM RECORDER



The Philco CRT/Microfilm Recorder Systems provide a means of converting digital information from computer generated magnetic tape directly to 16mm microfilm for use in automated data storage and retrieval.

Standard input is from magnetic tape at speeds up to 62,500 characters per second. Optional interfaces may be included to permit direct input from a computer or other digital data source.

Data is recorded at a rate of four full pages per second, including film advance times. A full page contains up to 64 lines of 132 characters each, and is recorded on an area approximately 11mm square.

Memory capacity is provided for 64 standard characters and symbols. Optionally, the user may specify his own symbols. By adding modular memory units, the repertoire may be expanded to 256 characters and symbols.

Also available is a vector generator for the display and recording of graphs, drawings, and plotted output. This generator can draw vectors connecting any two points in a matrix (nominally 1024 x 1024).

The CRT display contains an optically flat, high resolution, 5 inch cathode ray tube, with all magnetic deflection, dynamic focusing, and linearity correction circuits. Spot size is less than 0.8 mils.

The camera has a film capacity of 100 feet of 16mm sprocketless film. Daylight loading, and exposure and removal of film of less than a full reel is possible. A pulsed type film advance system provides for two standard advances—12mm for a full page, and 3mm for columnar recording. Any film advance may be provided in multiples of 3mm.

Code and timing marks under program control provide a standard microfilm format compatible with the Recordak MIRACODE system. Compatability with other coding systems may be included.

The system provides such optional features as:

- 1000 ft. film reels.
- in line photo processing and viewing.
- 35 and 70 mm sprocketed and sprocketless film.
- single frame feed.
- butt framing for continuous graphs and vectors.

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PHYSICAL SPECIFICATIONS

The system is packaged in a two-bay cabinet assembly, each cabinet approximately 33 inches wide, 24 inches deep, and 75 inches high, with full access doors front and back. Approximate floor space required is 64 square feet.

One bay contains all logic and logic power supplies. The second bay contains the camera, CRT display and all associated power supplies. An operator's control panel is mounted at the logic end of the two-bay assembly. All logic modules are mounted in hinged pages with wiring terminals facing outward to permit probing.

Size: (Two bay cabinet assembly)

Door closed: 66 1/2 inches wide, 24 inches deep, 75 inches high
Door open: 66 1/2 inches wide, 80 inches deep, 75 inches high
Weight: 1300 pounds

POWER AND OPERATING ENVIRONMENT

Power:	
Voltage:	115 volts
Frequency:	60 cycle, single phase
Current:	50 amperes
Heat Load:	16,000 BTU/hour
Operating Temperature:	50°F to 90°F ambient
Humidity:	20 to 80 percent